**Hester -7th Grade Science**

**Unit - Energy & LP**

**Objectives**

**7.5 Matter and energy.** The student knows that interactions occur between matter and

energy. The student is expected to:

A) recognizethatradiantenergyfromtheSunistransformedintochemicalenergy

through the process of photosynthesis.

B) demonstrateandexplainthecyclingofmatterwithinlivingsystemssuchasinthe

decay of biomass in a compost bin.

C) diagram the flow of energy through living systems, including food chains, food

webs, and energy pyramids. ***Supporting Standard-Category 1***

**7.9 Earth and space.** The student knows components of our solar system. The student

is expected to:

A) analyzethecharacteristicsofobjectsinoursolarsystemthatallowlifetoexist

such as the proximity of the Sun, presence of water, and composition of the

atmosphere.

B) identifytheaccommodations,consideringthecharacteristicsofoursolarsystem

that enabled manned space exploration.B) understand that gravity is the force that governs the motion of our solar system.

**Blooms**

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| **Evaluating**: can the student justify a stand or decision? |
| **Analyzing**: can the student distinguish between the different parts? |
| **Applying**: can the student use the information in a new way? |
| **Understanding:** can the student explain ideas or concepts? |
| **Remembering:** can the student recall or remember the information? |

**Materials/Resources Needed:**

**Anticipatory Set**

**Get out a pencil and spread out**  
**Objective/Purpose**

**We are taking the CAS**

**Prior Knowledge**

**TEKS from the unit**

**Model**

none

**Check for Understanding**

**We will get this information from the exam**

**Guided Practice** none

**Closure**

none

**Independent Practice**

**none**

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| **Bloom’s Taxonomy**  New Bloom Triangle Old Bloom Triangle  **New Version Old Version** | |
| **Creating**: can the student create new product or point of view? | assemble, construct, create, design, develop, formulate, write |
| **Evaluating**: can the student justify a stand or decision? | appraise, argue, defend, judge, select, support, value, evaluate, justify |
| **Analyzing**: can the student distinguish between the different parts? | compare, contrast, criticize, differentiate, discriminate, distinguish, examine, experiment, question, test |
| **Applying**: can the student use the information in a new way? | choose, demonstrate, dramatize, employ, illustrate, interpret, operate, schedule, sketch, solve, use, write |
| **Understanding:** can the student explain ideas or concepts? | classify, describe, discuss, explain, identify, locate, recognize, report, select, translate, paraphrase |
| **Remembering:** can the student recall or remember the information? | define, duplicate, list, memorize, recall, repeat, reproduce, state |